

PROFILE FROM A TERRAIN SURFACE

This guide covers the procedure for developing profiles for a terrain surface along an alignment.

1. Go to the *Create Design* panel on the *Home* ribbon.
2. Click on the down arrow next to *Profile* and select *Create Surface Profile*
3. The *Create Profile from Surface* window will appear.

Select the alignment(s) that you want to create the profile along and the surface(s) that you want to sample along that alignment.

The starting and ending stations of the alignment will be displayed, and you can manually select a starting and ending station that lies within that range.

Create Profile from Surface

Alignment: channel centerline

Station range: Start: 0+00.00' End: 1+35.94'

To sample: 0+00.00' 1+35.94'

Select surfaces: EG, Grading Group 1

☐ Sample offsets:

Add>>

Profile list:

Name	Description	Type	Data So...	Offset	Update ...	Layer	Style	Station	Elev
								Start	End
EG-Surfa...			EG	0.0'	Dynamic	PROFILE-...	EG_CL	0+00.00'	1+35.94'

Remove Draw in profile view OK Cancel Help

If you want to sample an offset, check the box next to *Sample offsets*: and provide an offset distance in the format of: **-10,0,10**. (looking in the direction of increasing stations: negative is left and positive is right). 10 is the distance offset from the centerline. This can be any applicable distance.

Once you have established the settings for the profile, click on the *Add>>* button.

More than one surface can be selected by holding down the shift button and selecting the surfaces you want to

appear on the profile. A separate row will appear in the table at the bottom of the window for each surface chosen. Click on a cell in the table if you want to change a setting, such as the style of a finished surface profile. You can also remove a profile from the list by selecting its row in the table and clicking on the *Remove* button.

4. Once you have the profile settings in the window established, you can either click on the *Draw in profile view* button to create the profile and develop a profile plot or you can click on the *OK* button to create the profile without plotting.